



Pedantic Sophistry

by Arya Akhavan (July 2013)

Angles for R.I. = 1.620

55 + 12 girdles = 67 facets

3-fold, mirror-image symmetry

96 index

$L/W = 1.034$ $T/W = 0.585$ $U/W = 0.526$

$P/W = 0.475$ $C/W = 0.134$

$Vol./W^3 = 0.203$

PAVILION

P1	44.78°	06-26-38-58-70-90	Cut to centerpoint.
P2	43.50°	08-24-40-56-72-88	Meet at culet.
G1	90.00°	01-31-33-63-65-95	Set stone size.
G2	90.00°	08-24-40-56-72-88	Level girdle.
P3	65.38°	01-31-33-63-65-95	Level girdle.
P4	43.50°	07-25-39-57-71-89	Meet P1, P2, G1, G2, P3
P5	42.50°	05-27-37-59-69-91	Meet P1, P3

CROWN

C1	36.83°	01-31-33-63-65-95	Set girdle width.
C2	36.83°	08-24-40-56-72-88	Level girdle.
C3	32.00°	96-32-64	Meet G1, C1
C4	27.41°	16-48-80	Meet G2, C2; C1, C2, C3
C5	25.85°	01-31-33-63-65-95	Meet C1, C2, C3, C4
T	0.00°	Table	Meet C3, C5; C4, C5

After a long and fascinating conversation about the proper uses of "trillion" vs. "trilliant", I found out that "trilliant" is a trademarked term for a very specific triangular cut. So, just like the Old Mine, I wrote a better one. Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, but I prefer steel-blue tourmaline. Suggested size = 8-15 mm

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